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Federal - State Cooperative

Snow Surveys and Water Supply Forecasts

# **NEVADA**



NEVADA AGRICULTURE EXPERIMENT STATION

NEVADA STATE ENGINEER

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and local organizations listed on the last page of this report.

APR. 1, 1954

#### UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY AND WATER SUPPLY FORECAST REPORTS:

Forecasts by U. S. Weather Bureau of total annual streamflow October-September, inclusive, at more than 300 gaging stations are issued monthly January through May in the publication WATER SUPPLY FORECASTS FOR THE WESTERN UNITED STATES.

Weather Bureau forecasts of runoff presented in that bulletin are computed from procedures based on mathematical analysis of the relation between precipitation and runoff.

The Weather Bureau bulletins may be secured by writing to:

Hydrologist in Charge River Forecast Center U. S. Weather Bureau 712 Federal Office Building Kansas City 6, Missouri

For current information on local river and flood conditions, reference should be made to the appropriate River District Office, listed below:

Meteorologist in Charge......Truckee, Carson, Walker Weather Bureau Airport Station and Susan River Basins. Reno, Nev.

Weather Bureau Office 501 Federal Bldg. Salt Lake City 1, Utah

and other miscellaneous Basins in Nevada with the exception of the Truckee, Carson, Walker and Susan River Basins

State of Nevada

#### FEDERAL - STATE COOPERATIVE

#### SNOW SURVEYS and WATER SUPPLY FORECASTS

for

NEVADA

Report Prepared by

Clyde E. Houston, Civil Engineer and Norman S. Hall, Irrigation Engineer

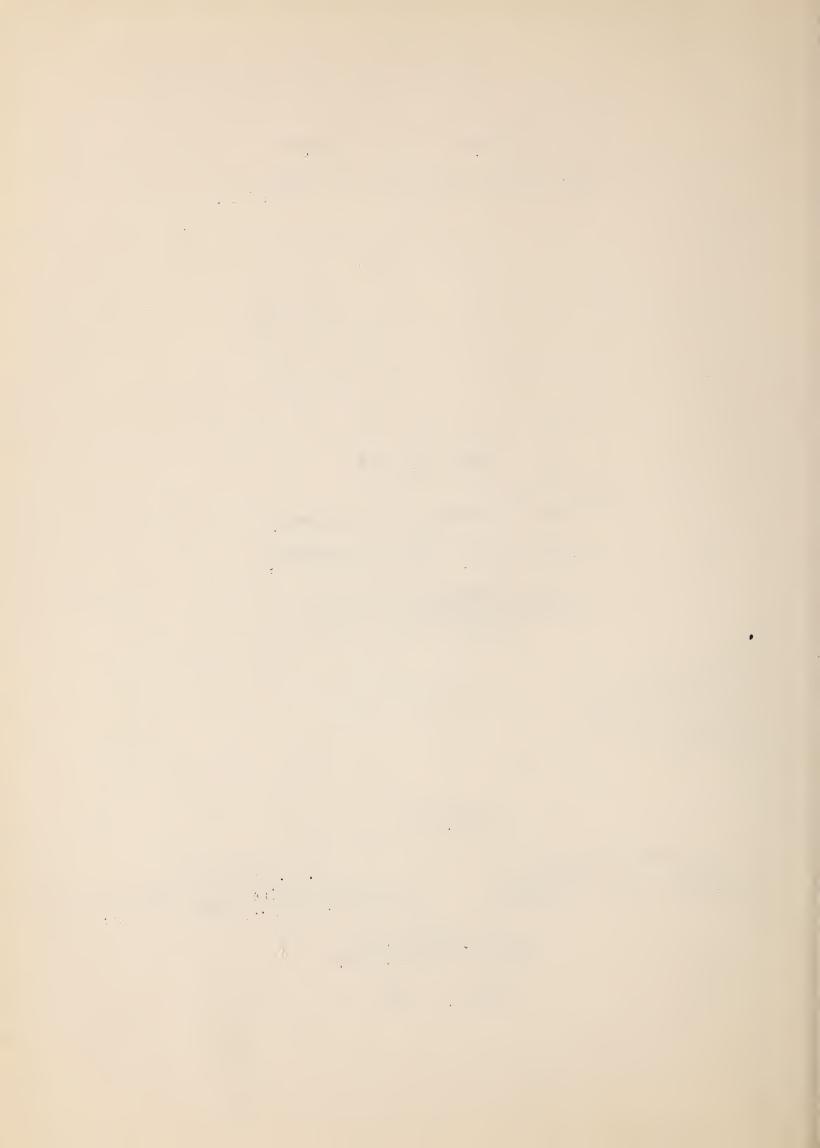
Soil Conservation Service Agricultural Experiment Station Reno, Nevada

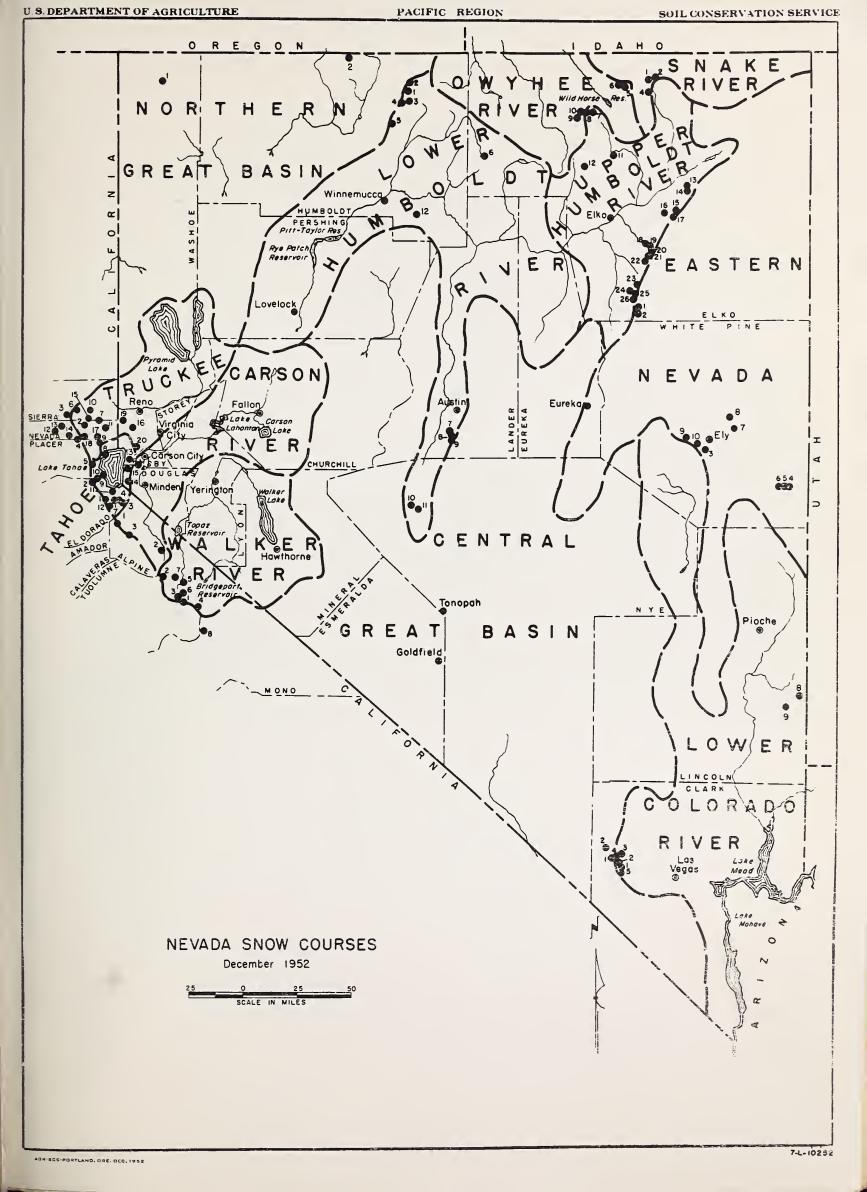
Issued by

George Hardman State Conservationist Soil Conservation Service C. B. Hutchison
Director
Nevada Agricultural Experiment Station

Hugh A. Shamberger Nevada State Engineer

April 9, 1954





#### INDEX TO SNOW COURSES

NUMBE	NAME	SEC.	TWP.	RGE.	NUMBER	NAME	SEC.	TWP.	RGE.	NUMB	ER	N AME	SEC.	TWP.	RGE.
	SNAKE RIVER					LAKE TAHOE						LOWER HUMBOLDT RIVER			
	Bear Creek Fox Creek 76 Creek Gold Creek Big Bend OWYHEE RIVER	31 33 6 31 30	46n 46n 44n 45n 45n	58E 58E 58E 56E 56E	2. (Cal.) 3. (Cal.) 4. (Cal.) 5. (Cal.) 7. (Cal.) 8. (Cal.)	Lake Lucille Rubicon #1 Hagans Meadow Freel Bench Ward Creek Upper Truckee Tahoe City Rubicon #2	6 36 36 21 21 6	12N 13N 12N 12N 15N 15N 15N	17E 18E 18E 16E 18E 17E	1. 2. 3. 4. 5. 6. 7. 8.	UI Ma Gr La Ma Br	ower Buckskin oper Buckskin artin Creek enite Peak mance Creek das g Creek Camp Ground g Creek Mine	25 11 18 22 13 18 10 23	45N 45N 44N 44N 42N 39N 17N	39E 39E 40E 39E 38E 46E 43E
2.* 3.* 4.*	Gold Creek	25 11 18 22 31 30	44N 45N	39E 40E 39E 56E	10. (Cal.) 11. (Cal.)	Rubicon #3 Richardsons #2 Echo Summit Marlette Lake Daggetts Pass Glenbrook #2	32 6 6 13 19	14N 12N 11N 15N	17E 18E 18E 18E 19E	9. 10. 11. 12.	Ur Lo	pper Big Creek wer Corral pper Corral pper Corral plconda  EASTERN NEVADA	26 12 20 22	17N 11N 11N	43E 40E 41E 39E
	Big Bend Fry Canyon	31	45N 43N	54E	16.*	Mt. Rose		17N							
8.* 9. 10. 11.*	Rodeo Flat Lower Jack Creek Upper Jack Creek Tremewan Ranch Taylor Canyon	36 18 9 9 35	43N 42N	53E 53E 53E 55E	3.*(Cal.)	TRUCKEE RIVER Independence Lake Webber Peak Donner Summit	30	18N 19N 17N	14E	1. 2. 3. 4. 5.	Ha Ma Ba Ba	nve Creek nger Canyon urray Summit nker #1 nker #2 nker #3	25 34 25 29 30 25	13N	57E 57E 62E 69E 69E 68E
	UPPER HUMBOLDT RIVER	1			5.*(Cal.)	Ward Creek	21	15N	16E	7.	Be	rry Creek	26	17N	65E
	Bear Creek Fox Creek 76 Creek	31 33 6	146N 146N	58E	7. (Cal.) 8.*(Cal.)	Webber Lake Sage Hen Creek Tahoe City Truckee #2	7 6	19N 18N 15N 17N	16E	8. 9. 10.	Ro	rd Creek binson Summit mberly	34 34 18	19 N 18 N 16 N	65E 61E 62E
5.*	Gold Creek	31	45N	56E	10. (Cal.)	Independence Creek Boca #2	14	19N	15E 17E			LOWER COLORADO RIVE	R		
7.* 8.* 9.*	6.* Big Bend 30 45N 56E 7.* Fry Canyon 31 43N 54E 8.* Rodeo Flat 36 43N 53E 9.* Lower Jack Creek 18 42N 53E 0.* Upper Jack Creek 9 42N 53E 11. Tremewan Ranch 9 39N 55E 12. Taylor Canyon 35 39N 53E 33. Lower Trout Creek 28 37N 61E	12, *(Cal.) 13. *(Cal.) 14. *(Cal.) 15. (Cal.) 16. 17. (Cal.) 18. (Cal.)	) Furnace Flat ) Fordyce Lake ) Fordyce Lake ) Soda Springs ) Independence Camp Mt. Rose ) Truckee Ranger Sta. ) Donner Lake Big Meadows	10 17N 34 18N 23 17N 34 19N 7 17N 10 17N 14 17N 15 18N	10 17N 34 18N 23 17N 34 19N 7 17N 10 17N 14 17N	17N 13E 18N 13E 17N 14E 19N 15E 17N 19E 17N 16E 17N 15E	1. 2. 3. 4. 5. 8.	Ky Le Le R s Ma	uinbow Canyon de Canyon e Canyon #1 ee Canyon #2 uinbow Canyon #2 uinbow Canyon ne Canyon	31 26 10 9 6 11	198 198 198 198 208 58 68	57E 56E 56E 56E 57E 70E 69E			
15. 16.	Dorsey Basin Ryan Ranch	28 1	35N 34N	60E 59E	20.	Little Valley	17	16N	19E			CENTRAL GREAT BASI	N		
17. 18.	Dry Creek Lamoille #1 Lamoille #2	5 15 14	34N 32N 32N	60E 58E	1. (cal.)	CARSON RIVER Carson Pass	22	10N	1.8F	1.		ark Canyon ough Springs	8 23	19S 18S	56E 5 <b>5</b> E
20.	Lamoille #3	24	32N	58E	2. (Cai.)	Poison Flat	25	8n	21E			NORTHERN GREAT BAS	IN		
21. 22. 23. 24.	Lamoille #4 Lamoille #5 Green Mountain Harrison Pass #1	19 31 23 9	32N 32N 29N 28N	59E 59E 57E 57E	4.	Blue Lakes Clear Creek	30 16	14N	19E 19E	1. 2.		ld Mountain saster Peak	17 8	45n 47n	21E 34E
25. 26.	Harrison Pass #2 Corral Canyon	16 27	28n 28n	57E	* Locat	ed on adjacent water	shed								
* ]	Located on adjacent water	shed			NUMBER	NAME	SEC.	TWP.	RGE.						
						WALKER RIVER									
					2. (Cal.) 3. (Cal.) 4. (Cal.) 5. (Cal.) 6. (Cal.) 7. (Cal.)	Center Mountain ,Sonora Pass ,Sonora Pass ,Virginia Lakes ,Willow Flat ,Buckeye Roughs ,Leavitt Meadows ,Tioga Pass	1 20 5 21 15 4 30	5n 4n 2n 5n 4n 5n	23E 21E 23E 25E 23E 23E 22E 25E						

\*Located on adjacent watershed

#### WATER SUPPLY OUTLOOK

#### FOR NEVADA

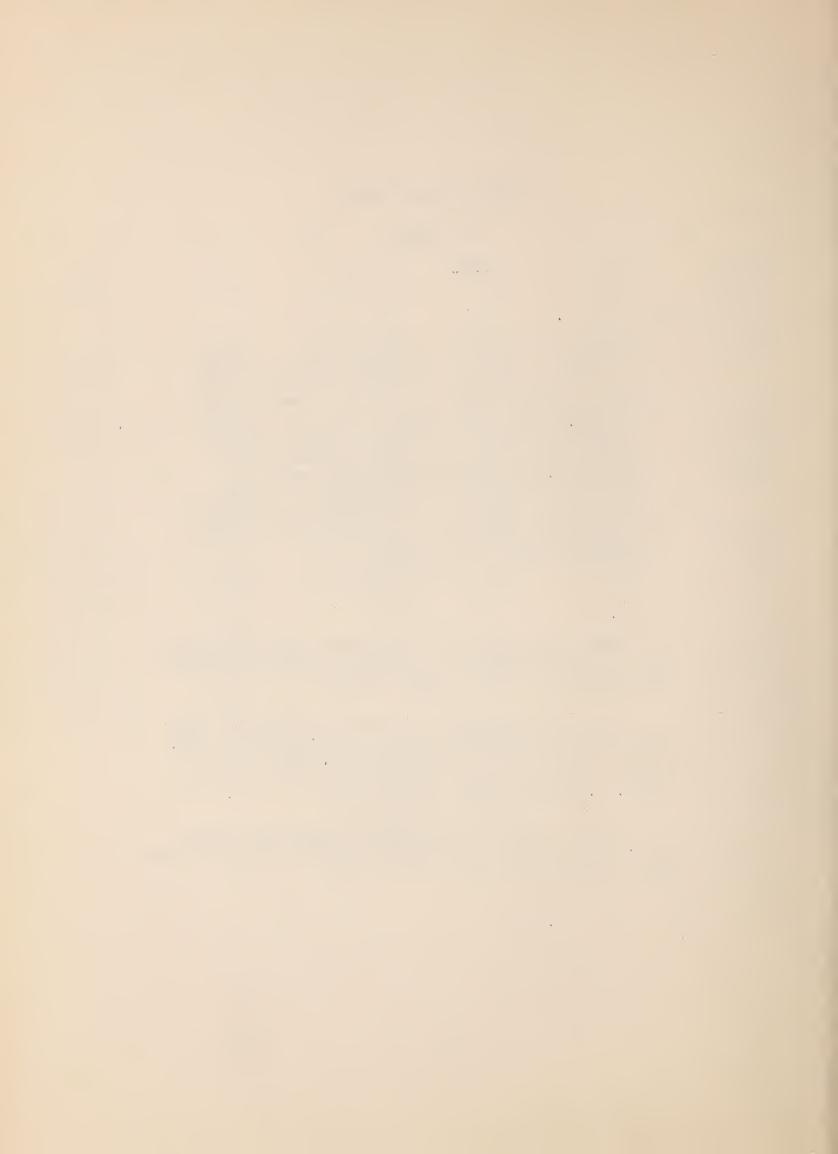
April 1, 1954

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* Nevada's outlook for 1954 water supplies from
* snow melt is spotty. The southern half of the
* State contains from normal to 150 percent nor-
* mal snow pack while the northern half contains
                                          쏬
* from 20 to 75 percent normal. Along the Hum-
                                          쏬
* boldt tributaries, streams can be expected to
                                          *
* flow from 40 to 80 percent normal while the
                                          *
* main stem will flow about 50 percent normal.
* Runoff into Nevada from the east central Sierra *
* will range from 75 percent in the north to 85
* percent normal in the south.
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Snow stored water throughout the State ranges from very poor in the north to good in the central section, and excellent in the southern section.

U. S. Geological Survey reports October through March streamflow at key stations on the Humboldt and Eastern Sierra as 90 and 100 percent normal respectively. They also report that, in general, groundwater levels are below normal.

April 1 reservoir storage in 7 important reservoirs was 79 percent of capacity and 115 percent of the past ten year average.



STREAMFLOW FORECASTS AFRIL 1, 1954

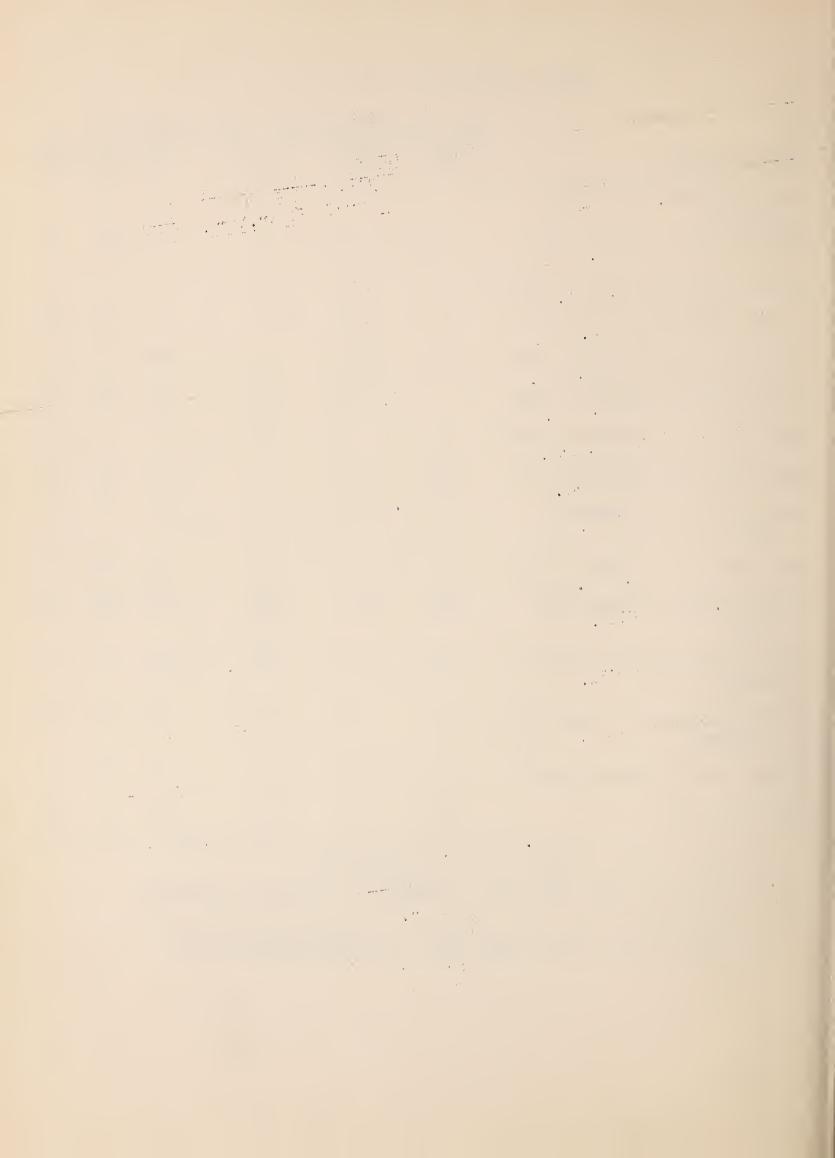
April-July, Streamflow Thousands Acre Feet									
Forecast Stream	Forecast 1954	1901-50 Normal	1954 as % 50 yr.Norm.	Measu 1953	red Ru 1952	noff 1951			
Owyhee River nr. Gold Creek, Nevada 1	7	22	32	22	69	10			
Owyhee River nr. Owyhee, Nev. 1	31	77	40	90	194	43			
Lamoille Creek nr. Lamoille, Nev.	25	30	83	23	33	31			
So. Fk. Humboldt nr. Elko, Nev.	55	71	78	45	142	65			
Humboldt River at Palisade, Nev.	100	199	50	118	577	192			
Martin Creek nr. Paradise, Nev.	7	17	41	13	55	17			
East Walker nr. Bridgeport, Cal. 2	55	70	79	51	166	46			
West Walker nr. Coleville, Cal.	140	172	81	140	251	141			
East Carson nr. Gardnerville, Nevada	175	207	85	188	378	148			
West Carson at Woodfords, Cal.	50	64	78	59	108	36			
Carson River nr. Carson City, Nevada	165	195	85	190	445	116			
Carson River at Fort Churchill, Nevada	145	190	76	158	457	79			
Little Truckee River above Boca, California	65	85	76	97	191	60			
Truckee River at Farad, Cal. 3	210	281	75	280	685	179			
Lake Tahoe Rise 4	1.1	1.5	73	1.9	3.3	1.1			

<sup>1.</sup> Corrected for storage in Wildhorse Reservoir.

<sup>2.</sup> For period April thru August corrected for storage in Bridgeport Reservoir.

<sup>3.</sup> Exclusive of Tahoe and corrected for storage in Boca Reservoir.

<sup>4.</sup> Maximum rise, in feet, from April 1, assuming gates closed.



### STREAMFIOW FORECASTS AFRIL 1, 1954

#### Snake River Basin in Nevada

Water stored in the snow pack on the watersheds of Salmon Falls Creek and Bruneau River is about 60 percent of normal and 60 percent of that measured last year.

Owyhee River near Gold Creek, corrected for change in storage in Wildhorse Reservoir, is forecast to flow 7,000 acre feet during the period April through July. This is only 32 percent of the past 50 year normal. The forecast for Owyhee River near Owyhee, Nevada, for the same period, corrected for storage, is 31,000 acre feet, or only 40 percent of normal. Wildhorse Reservoir, with a capacity of 33,000 acre feet, stored 20,000 acre feet on April 1. This Reservoir will probably not fill this summer.

#### Upper Humboldt River

In general, the snow pack on the Northern Feeders to Humboldt River is about 50 percent normal while the pack on the Southern Feeders is about 75 percent normal. Practically all low elevation snow has melted.

April through July flow of Lamoille Creek is fore-cast for 25,000 acre feet, or about 80 percent of normal. South Fork of Humboldt River is forecast to flow 55,000 acre feet which is about 78 percent normal. The Humboldt River, as measured at Palisade, is forecast to flow 100,000 acre feet or only 50 percent of normal. Groundwater levels in the tributary, as well as main valleys, is below normal.

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#### Lower Humboldt Basin

Snow stored water on the Santa Rosa Mountains above Paradise Valley is very poor. The forecast for Martin Creek is 7,000 acre feet or 40 percent of normal. Groundwater levels in the northern end of Paradise Valley are below normal while those at the southern end are normal.

Rye Patch Reservoir stored 96,000 acre feet on April 1. This is only 54 percent of capacity and 69 percent of the past 10 year average. Upper Reese River area contained about 120 percent normal snow pack.

#### Eastern Nevada

The snow pack on the northern Ruby Mountains, overlooking Ruby Valley, is about 65 percent of normal while that in the southern section is about 70 percent.

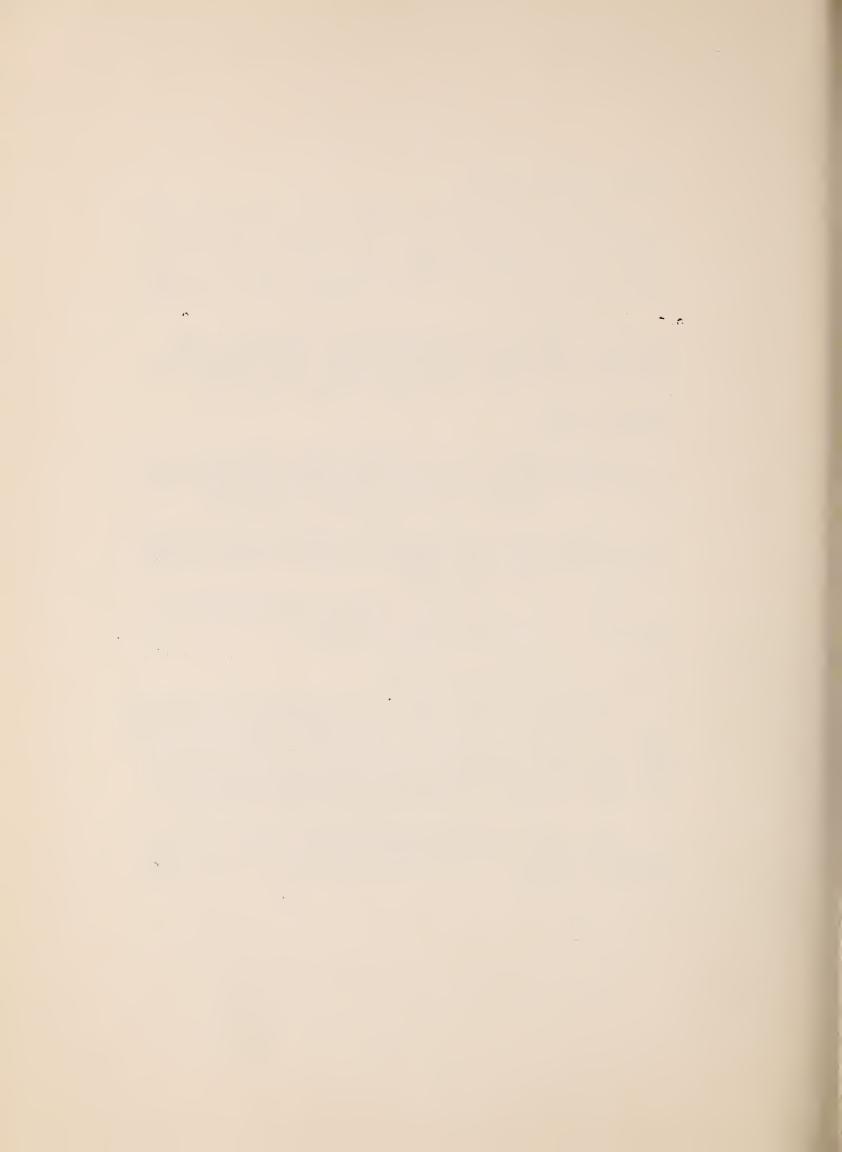
On Duck Creek, east of McGill, snow is nearly normal. Robinson-Gleason Creek Watersheds above the City of Ely contained a normal snow pack.

Snow water on Baker and Lehman Creek Watersheds is excellent, being 125 percent of normal.

#### Lower Colorado River in Nevada

In contrast to past years snow cover in the southern part of the State, this year the picture that is presented is the brightest in Nevada. Late March storms improved water and range conditions in Lincoln and Clark Counties. Snow stored water on the Spring Mountains, feeding the Las Vegas Artesian Basin, is about 150 percent normal.

Lake Mead contained 15,701,000 acre feet of usable storage on April 1. This is only 85 percent of the past ten year average.



#### Central Great Basin

The Spring Mountains, which contribute groundwater to Pahrump Valley, contained about 160 percent normal snow cover,

#### Northern Great Basin

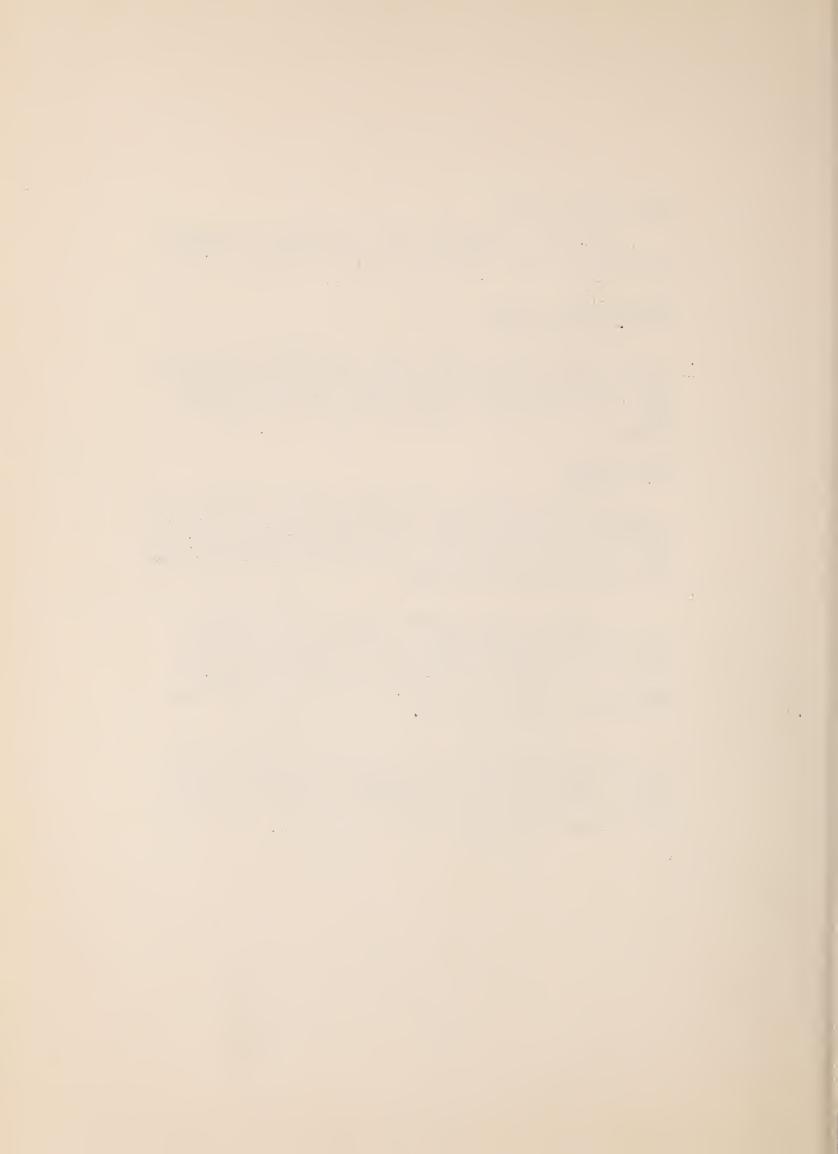
The northwestern desert area of Nevada had an extremely poor snow pack this year. The pack on the headwaters of McDermitt Creek was about 20 percent normal while that on Sheldon Antelope Refuge was 40 percent normal.

#### Walker River

Snow stored water at high elevations on Walker River Watershed is slightly less than normal while low snow is about 90 percent of normal. Groundwater levels in Bridge-port Valley are higher than last year but are below the 7 year average for this date.

The April through August forecast flow of East Walker River near Bridgeport, corrected for change in storage in Bridgeport Reservoir, is 55,000 acre feet, or about 80 percent of normal. Storage in Bridgeport Reservoir on April 1 was 41,000 acre feet or near its capacity of 42,000 acre feet.

Flow of West Walker River near Coleville for the period April through July is forecast at 140,000 acre feet or about 80 percent of normal. Storage in Topaz Reservoir on April 1 was 50,000 acre feet or 85 percent of the usable capacity.



#### Carson Basin

High elevation snow water on Carson River Watershed is almost identical to that measured last year, or 85 percent normal. Low elevation snow is greater than last year and slightly greater than normal. Groundwater levels in Upper Carson Valley are below last years elevations. East Carson River near Gardnerville is forecast to flow 175,000 acre feet or 85 percent of normal. It is anticipated that the river flow will exceed 200 cubic feet per second until the last week in July.

West Carson River at Woodford's is forecast to flow 50,000 acre feet or about 80 percent of normal.

The forecast flow of Carson River near Carson City is 165,000 acre feet or 85 percent of normal.

At Fort Churchill the flow will be about 145,000 acre feet or around 75 percent of normal. Lahontan Reservoir stored 270,000 acre feet on April 1. This is 94 percent of capacity and 116 percent of the past 10 year average.

#### Truckee Besid

High elevation snow in Truckee Basin ranges from 80 to 95 percent normal while low snow is about 75 to 80 percent normal. Flow of Truckee River at Farad, corrected for Boca and Tahoe storage, is forecast at 210,000 acre feet, or 75 percent normal. Boca Reservoir stored 6,000 acre feet on April 1, or about 50 percent of the past 10 year average for this date.

At the request of the Nevada Fish and Game Commission, a forecast has been computed for the Little Truckee River above Boca Dam. This year's forecast for the period April through July is 65,000 acre feet or 76 percent of normal.

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#### Tahoe Basin

On April 1 the elevation of Lake Tahoe was 6227.86 feet above sea level. The snow pack on the mountains overlooking the Lake is similar to that on Truckee Vatershed. The forecast this year is for a rise of 1.1 feet or 73 percent of normal. This rise from April 1 to high water, assuming the outlet gates are kept closed, would raise the elevation of the Lake to 6228.96, which is below the maximum allowable of 6229.1 feet.

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### STATUS OF RESERVOIR STORAGE, AFRIL 1, 1954

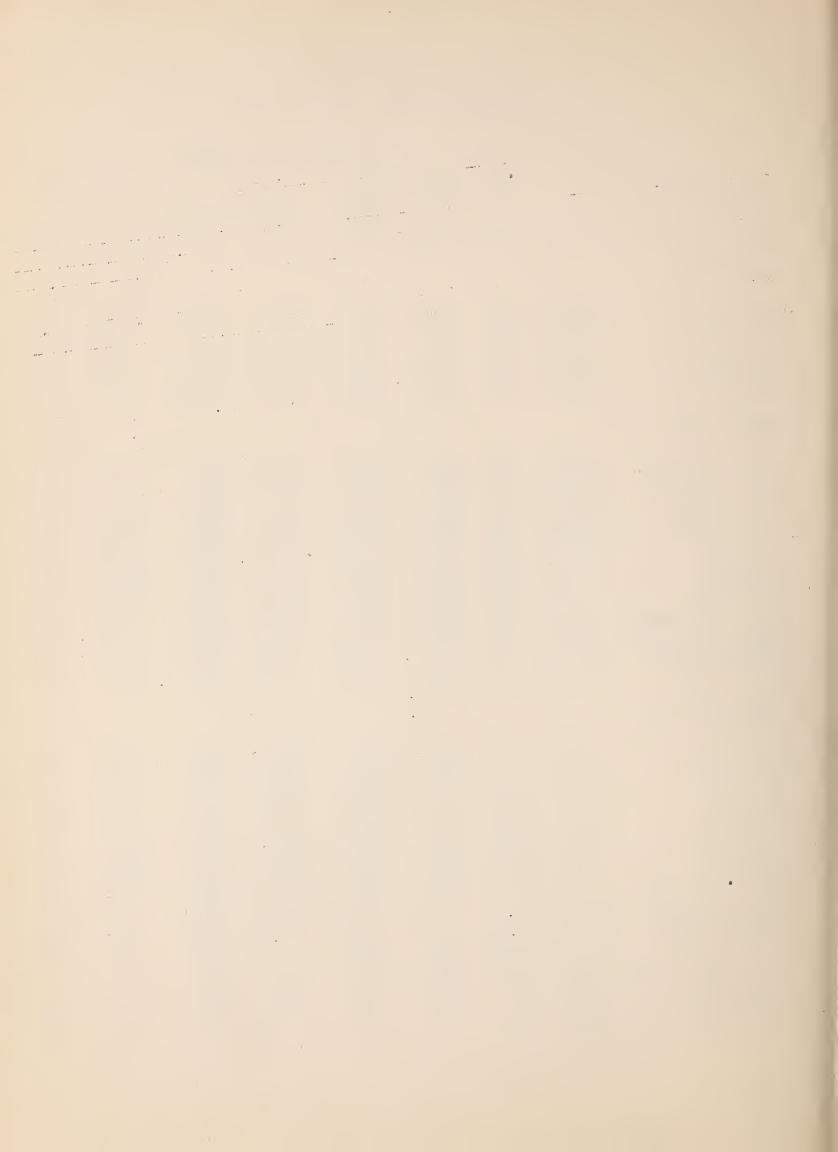
BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (Thous. A.F.)	THOUS.	ACRE FEET	USABLE 1952	STORAGE	ABOUT AFR. 1 10-yr. Ave. 1942 - 1951
Owyhee	Wildhorse	33	20	23	13	26	18
Lower Humboldt	Rye Patch	178	96	165	115	109	139a
Colorado	Mohave	1,810	1,785	1,639	1,587	1,550	New Reservoir
Color ado	Me ad	27,217	15,701	17,764	15,691	16,806	18,430
East Walker	Bridgepor	t 42	41	42	20	42	36
West Walker	Topaz	59	50	59	36	59	45
Carson	Lahontan	286	270	273	146	238	232
Tahoe	Tahoe	732	602	571	518	<u>9</u> 7 7	456
Truckee	Boca	Lil	6	7	0	20	12

a - Average for years 1943 - 1951



### NEVADA SNOW SURVEYS APRIL 1, 1954

					SNOW COV	ER MEASI	REMENTS		
			•	1954				Record	
DRAINAGE BASIN AND SNOW COURSE	No.	Elev.	Date of Survey	Snow Depth (in,)	Water Content (in.)	Water 1953	Content 1952		Years of Record
SNAKE RIVER									
Bear Creek Fox Creek 76 Creek Gold Creek Big Bend	2 4 5	7800 6800 7100 6600 6700	3/29 3/29 3/23 3/23 3/23	47.5 18.3 31.1 7.2 17.9	12.1 5.9 9.4 2.0 4.9	19.9 8.4 15.5 6.2 9.7	33.1 19.5 N.S. 12.6 19.1	21.7 9.2 13.1 6.9 10.0	11 17 5 14 26
Lower Buckskin Upper Buckskin Martin Creek Granite Peak Gold Creek Big Bend Fry Canyon Rodeo Flat Lower Jack Creek Upper Jack Creek Tremewan Ranch Taylor Canyon	2 3 4 5 6 7 8 9 10	6700 7800 6600 6700 6700 6800	3/30 3/31 3/30 3/31 3/23 3/24 3/24 3/25 3/25 3/25	15.0 10.3 14.9 18.7 7.2 17.9 12.2 13.4 9.0 25.7 0	4,8 3,2 4,9 6,3 2,0 1,9 3,0 3,9 1,4 6,4 0	2.1 5.1 4.4 9.5 6.2 9.7 9.7 10.2 0 11.4	N.S. N.S. N.S. 12.6 19.1 20.3 22.8 10.3 20.8 6.7 15.4	8,1 10,4 7,9 11,4 6,9 10,0 10,8 4,0 11,4 1,0 3,9	12 17 12 13 14 26 13 19 13 12 13
UPPER HUMBOLDT  Bear Creek Fox Creek 76 Creek Gold Creek Big Bend Fry Canyon Rodeo Flat Lower Jack Creek Upper Jack Creek Tremewan Ranch Taylor Canyon Lower Trout Creek Upper Trout Creek Upper Trout Creek Dorsey Basin Ryan Ranch Dry Creek	2 4 56 7 8 9 10 11 12 15 16		3/29 3/23 3/23 3/23 3/24 3/25 3/25 3/25 3/26 4/1 3/31	47.5 18.3 31.1 7.2 17.9 12.2 13.4 9.7 0 13.8 8.2 55.0 6.4	12.1 5.9 9.4 2.0 4.9 3.0 3.9 1.4 6.4 0 3.6 1.8 16.7 9.2 0 1.6	19.9 8.4 15.5 6.2 9.7 9.7 10.2 0 11.4 0 0	33.1 19.5 N.S. 12.6 19.1 20.3 22.8 10.3 20.8 6.9 15.4 9.4 16.7 23.2 7.4 15.5	21.7 9.2 13.1 6,9 10.0 10.1 10.8 4.0 11.4 1.0 3.9 2.9 28.0 15.9 1.2 4.4	11 17 5 14 26 13 19 13 12 13 8 12 12 12



### NEVADA SNOW SURVEYS AFRIL 1, 1954

Pitter and the second s					SNOW COVER	MEASUR	EMENTS		
				1954			Past 1	Record	
DRAINAGE BASIN			Date	Snow	Water	727	0 1- 1	( · )	Years
AND COURSE	NT.	T-7 0==	of	Depth			Content		of
SNOW COURSE	110.	FIEA.	Survey	(in.)	(in.)	1953	1952	Average	Record
UPPER HUMBOLDT (c	onti	nued)							
Lamoille #1 Lamoille #2 Lamoille #3 Lamoille #4 Lamoille #5 Green Mountain Harrison Pass #1 Harrison Pass #2 Corral Canyon	19 20 21 22 23 24 25	7100 7300 7700 8000 8700 8000 6600 7400 8500	3/29 3/29 3/29 3/29 3/29 3/30 3/30 3/31	29.5 24.1 31.3 46.4 69.5 38.1 11.9 12.7 56.7	9.9 8.3 10.4 15.5 24.1 10.1 3.3 3.8 17.5	7.5 8.0 10.0 16.5 26.7 12.6 0	N.S. N.S. N.S. N.S. 10.7 15.5 N.S.	9.7 10.3 14.1 19.7 28.3 13.9 4.9 5.2 19.5	21 24 18 12 15 10 17 12
LOWER HUMBOLDT						·		-, ·,	
Lower Buckskin Upper Buckskin Martin Creek Granite Peak Lamance Creek Midas Big Creek Camp Gr Big Creek Mine Upper Big Creek Lower Corral Upper Corral Golconda	2 3 4 5 6 . 7 8 9 10 11	6700 7200 6700 7800 6000 7200 6600 7600 8500 6000	3/30 3/31 3/30 3/31 4/1 4/1 4/2	15.0 10.3 14.9 18.7 0 4.9 N.S. N.S. 9.8 13.4	4.8 3.2 4.9 6.3 0 0 2.0	2.1 5.1 4.4 9.5 0 0 0 5.1 0	N.S. N.S. N.S. 24.9 N.S. N.S. N.S.	8.1 10.4 7.9 11.4 8.7 2.0 1.9 3.6 8.5 1.6 4.6	12 17 12 13 9 12 12 11 11
EASTERN NEVADA									
Cave Creek Hager Canyon Murray Summit Baker #1 Baker #2 Baker #3 Berry Creek Bird Creek Robinson Summit Kimberly	2 8 3 4 5 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	3000 7250 7950 3950 9250 9100 7500	3/31 3/31 3/31 3/31 4/1 4/1 3/31	26.9 42.7 14.6 41.3 69.8 85.4 58.5 15.1 8.4	10.2 13.0 4.5 10.8 19.9 23.8 17.6 4.6 2.9 3.6	12.2 24.7 0 0 7.7 7.4 12.7 0	37.0 41.5 12.7 20.5 36.6 41.3 30.7 11.3 14.0 15.8	16.1 21.9 3.3 6.2 17.9 19.5 17.6 4.2 3.5 4.0	13 13 16 12 12 12 6 6 4

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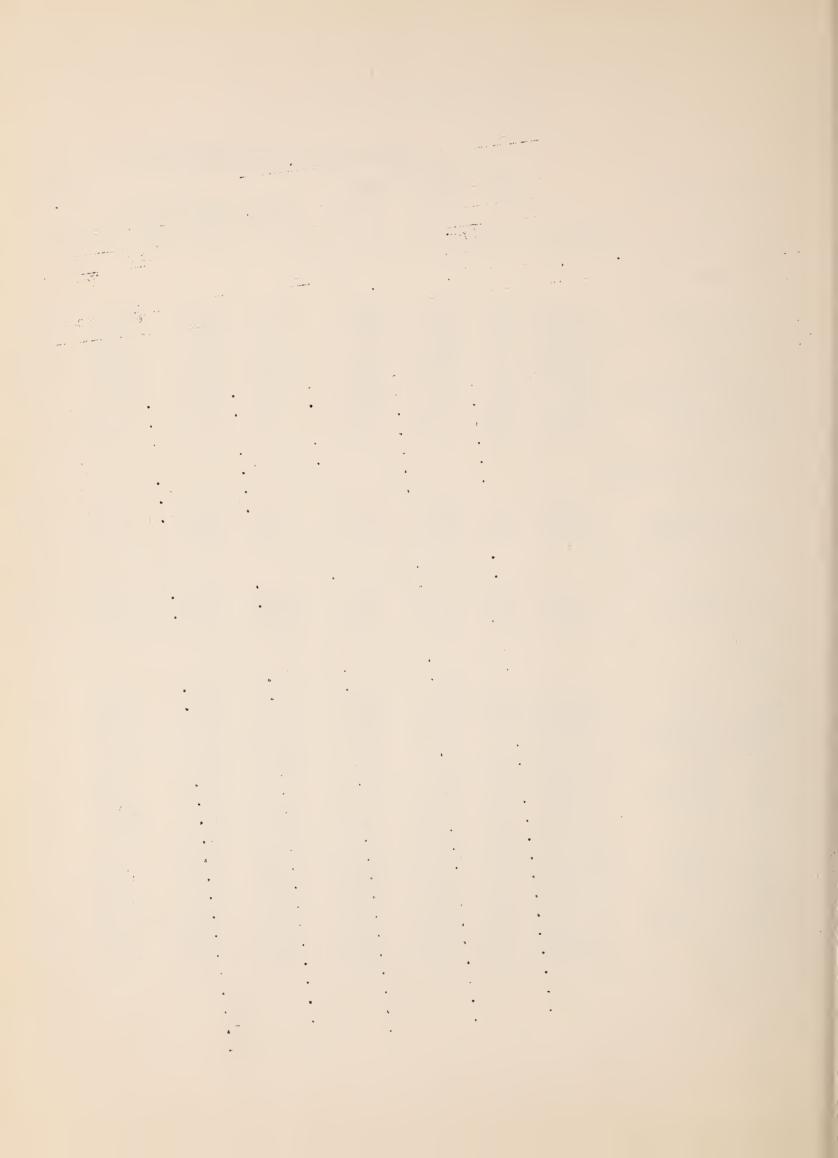
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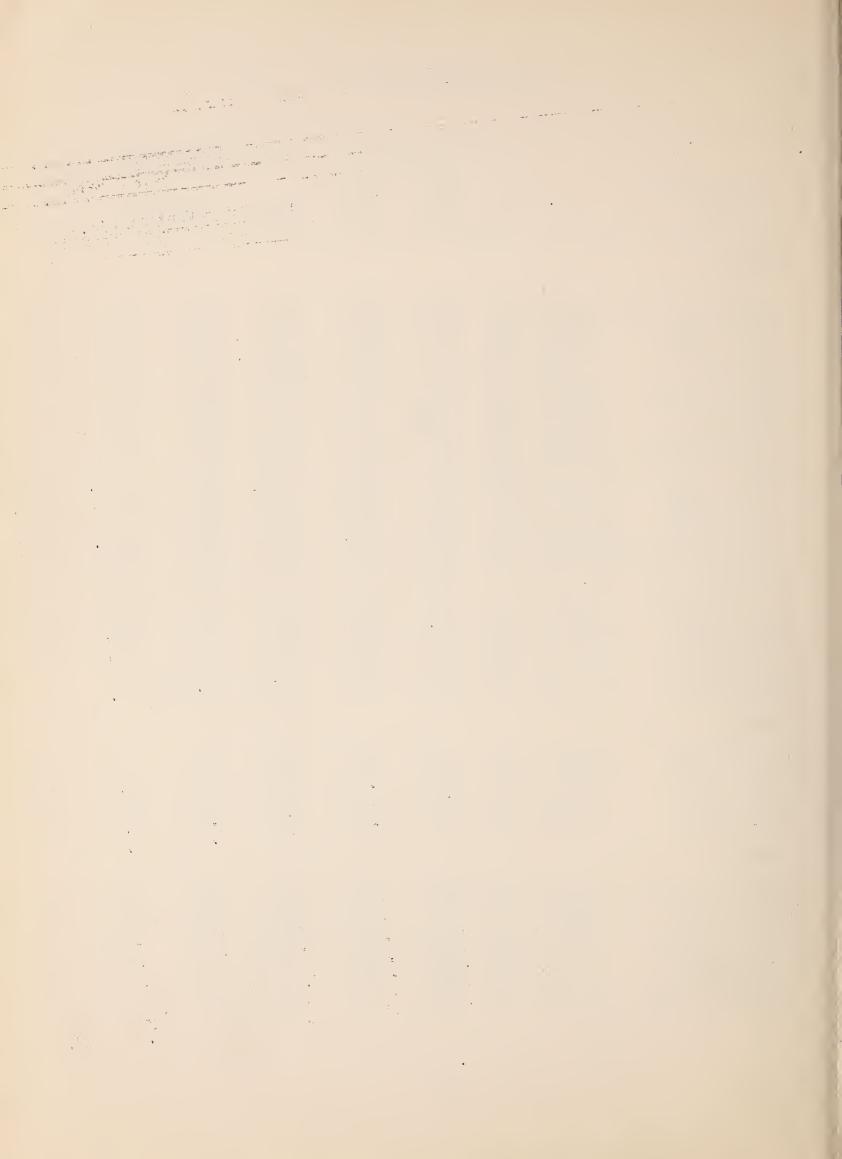
### NEVADA SNOW SURVEYS AFRIL 1, 1954

				SNOW SURV	EY MEASI			
DO ATMAGE DAGEN		70	1954	300 1		Past	Record	77.
DRAINAGE BASIN AND		Date of	Snow Depth	Water Content	Mater	Content	(in )	Years of
	No. Elev			(in.)	1953	1952	Average	Record
				(• /	-,,,,			
LOWER COLORADO								
Rainbow Canyon	1 7800	3/30	56.4	18.8	2.9	31.0	12.5	13
Kyle Canyon	2 8200	3/30	44.4	14.7	0.6	26.4	10.5	12
Lee Canyon #1	3 8300		36.0	14.3	0	20.4	9.6	13
Lee Canyon #2	4 9000 5 8100	* .	42.8 71.5	14.8 23.4	0.4 4.6	23.0 36.9	11.0	12
Rainbow Canyon #2 Mathew Canyon	8 6000	- 1 -	3.2	0.9	0	2.6	0.7	7 5 5
Pine Canyon	9 6200		6.7	1.7	0	4.1	1.3	5
CENTRAL GREAT BAS	IN							
Clark Canyon	1 9000	4/1	34.5	12.8	0.3	18.7	8.7	9
Trough Springs	2 8500		29.2	11.0	0	17.4	6.1	8
NORTHERN GREAT BA	SIN							
Bald Mountain	1 6720		3.8	1.4	2.4			14
Disaster Peak	2 6500	3/30	9.6	3.2	10.1	36.2	15.8	5
ТАНОЕ								
Lake Lucille	1 8400	4/2	118.9	46.7	59.9	109.4	58.2	40
Rubicon #1	2 8100	3/30	119.9	45.8	52.2	89.4	47.1	38
Hag ans Me adow	3 8000	4/3	37.6	15.2	17.8	43.5	17.5	
Freel Bench Ward Creek	4 7300 5 7000		21.6	9.1 38.9	11.0 49.9	33.5 88.8	45.6	
Upper Truckee	7 6400		16.9	7.1	9.3	28.3		24
Tahoe City	8 6250	3/29	19.1	7.2	14.4	38.8	13.5	43
Rubicon #2	9 7500		71.1	24.0	31.9	64.3	29.7	35
Rubicon #3	10 6700		59.5 45.0	19.9 16.4	24.5 19.2	48.1	22.0 18.7	13 10
Richardsons Echo Summit	11 6500 12 7500		82.8	30.8	34.7	79.4	40.8	
Marlette Lake	13 8000		48.9	17.6	22.1	35.1	23.0	37
Daggetts Pass	14 7350	4/1	23.9	8.0	12.0	33.2	13.6	
Glenbrook	15 6900		44.7	14.1 26.8	14.0 33.8	32.8 68.1	15.4 32.1	12 44
Mt. Rose	16 9000	4/3	73.3	20.0	٠,٠٠٠	00.1	<i>)</i> = • ±	chet



### NEVADA SNOW SURVEYS AFRIL 1, 1954

				SNOW COVER	MEASUF	REMENTS		
			1954			Past F	Record	
DRAINAGE BASIN AND SNOW COURSE	No. Elev.	Date of Survey	Snow Depth	Water Content (in.)	Water 1953	Content 1952	(in,) Average	Years of Record
TRUCKEE			(====)					
Independence Lk. Webber Peak Donner Summit Ward Creek Webber Lake Sage Hen Creek Tahoe City Truckee #2 Independence Cr. Boca Furnace Flat Fordyce Lake Soda Springs Independence Cmp. Mt. Rose Truckee Ranger	2 8450 3 8000 4 6900 5 7000 6 7000 7 6500 8 6250 9 6400 10 6500 11 5900 12 6600 13 6500 14 6750 15 7000 16 9000	3/26 4/1 3/25 4/1 3/25 3/25 3/25 3/26 3/29 3/31 4/2 3/26 4/3	88.8 102.9 84.3 103.1 69.3 49.1 19.1 40.8 34.0 9.9 97.4 82.0 83.5 57.6 73.3	33.7 42.1 35.0 38.9 25.5 15.1 7.2 13.0 12.2 4.1 43.2 34.8 33.6 21.3 26.8	42.0 38.0 39.4 49.9 30.9 14.4 16.4 3.5 N.S. 45.8 40.2 26.1 33.8	79.0 79.9 83.8 88.8 68.4 44.1 38.8 N.S. 35.8 95.7 84.3 80.9 55.0 68.1	43.1 41.1 39.9 45.6 30.8 19.2 13.5 14.1 5.8 45.3 39.4 36.6 24.3 32.1	17 32 43 41 29 17 43 23 17 19 36 25 13
Station Donner Lake Big Meadows Little Valley Squaw Valley	17 6000 18 5950 19 8800 20 6300 21 7500	4/1 3/29 3/29 3/29 3/31	25.1 49.3 45.4 19.0 123.4	8.8 20.3 18.0 8.1 47.7	6,3 25.9 16.3 4.9 58.9	34.1 55.4 38.5 29.8 New co	11.4 24.4 23.2 9.9 purse	9 10 31 12
CARSON	2 9/00	2/27	70 2	22.0	20.2	<b>(0.1</b>	2 L L	01
Carson Pass Poison Flat Blue Lakes Clear Creek	1 8600 2 7900 3 8000 4 7300	3/31 4/1 3/30 3/29	79,3 45,9 94,7 35,4	32.0 17.4 31.9 12.9	32.3 15.0 31.9 12.3	68.4 38.1 74.8 35.1	35.5 16.3 36.1 16.9	24 12 35 5
WALKER								
Center Mountain Sonora Pass Buckeye Forks Virginia Lakes Willow Flat Buckeye Roughs Leavitt Meadows	1 9400 2 8800 3 8500 4 9500 5 8250 6 7900 7 7200	3/29 3/30 3/29 3/28 3/31 3/30 3/30	100.0 61.8 57.1 50.8 26.0 50.8 22.2	36.2 22.0 19.9 16.8 10.2 18.4 9.1	33.9 20.9 20.4 15.5 7.1 18.9 4.5	67.6 45.6 44.3 37.8 23.5 51.9 21.5	35.8 24.7 20.3 17.9 10.8 21.4 7.9	31 24 23 7 20 31 24



#### NEVADA COOPERATIVE SNOW SURVEYS

Agencies Cooperating in Collecting Data Contained in this Bulletin

#### FEDERAL

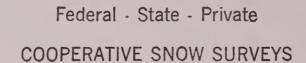
Soil Conservation Service Forest Service Geological Survey Bureau of Reclamation Fish and Wildlife Service Army Navy Air Force

#### STATE

Nevada State Engineer
Nevada Agricultural Experiment Station
Nevada State Forester-Firewarden
Colorado River Commission of Nevada
California Cooperative Snow Surveys
California Division of Water Resources
Oregon Cooperative Snow Surveys

#### PR IVATE

Walker River Irrigation District
Amalgamated Sugar Company
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Virginia City Water Company
Kennecott Copper Corporation
Squaw Valley Development Company
Pacific Gas & Electric Company
Nevada Irrigation District



Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"WATER IS THE WEST'S GREATEST RESOURCE"